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Rollseal Automated Door System with Intrinsically Safe Control Circuits:

HH Technologies d/b/a Rollseal (RS), as a manufacturer of the Rollseal Automated Door System, certifies that doors incorporating the Rollseal Intrinsic Barrier (RSIB) control utilizes Intrinsically Safe (IS) wiring.

The Rollseal Intrinsic Barrier control is based on the requirements of Class 1 Division 2 as described by NEC Article 500. The motor and braking system complies with the requirements of NEC 501.125 (B) motors and generators. All limit switches and door location sensing devices are part of an Intrinsically Safe System. Also referenced as I/S or IS. An Intrinsically Safe System as defined by NEC 504 is supplied. An intrinsically safe system or circuit is one in which any spark or thermal effect is incapable of causing ignition of a mixture of flammable or combustible material. All control circuits on the intrinsically safe circuits are protected by listed IS Barriers. A pre-wired electrical flexible cable system is installed on the simple apparatus devices with a plug connector that mates up with the Intrinsically Safe Control Panel. A control drawing is supplied with the intrinsic safe system and the installation must comply with those control drawings. The intrinsically safe control panel must be mounted in the Nonhazardous Location outside of the door. This is an area 3' away from the door opening. The plug connector is connected with its mating receptacle on the control panel. The Listed IS Barrier Relays are mounted inside of the intrinsically safe control panel. No additional wiring is allowed within the control panel. The IS control panel is interfaced with the main door control panel with cord and plug connections. This control panel must also be mounted a minimum of 3' from a door opening.

The door operation pushbuttons wire into the main door control panel. Because the pushbuttons are not a part of the I/S control system, the wall station must meet the requirements of the area that they are mounted and installed in.

Notes:

1. It is imperative that the RSIB installation guide doc# 4801-5178 is strictly adhered to.
2. Automated Door System with Intrinsically Safe Control Circuits are not third party listed as a complete assembly, but are of components that are pre-engineered and designed as a matched system that meet safety requirements of the door and the installed area.

